



VARDHAMAN COLLEGE OF ENGINEERING
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Kacharam, Shamshabad, Hyderabad - 501218, Telangana, India

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List of Papers Published in Journals

Academic Year 2020-2021

#	Title of the Paper	Authors	Name of the Journal	DOI	Publisher	Volume No. Issue No	Month and Year of Publication	Indexing
1.	Security and authentication of outsourcing cloud data	Krishna Keerthi Chennam, Rajanikanth Aluvalu, MA Jabbar	IET Conference Proceedings	https://doi.org/10.1049/icp.2021.095	The Institution of Engineering and Technology	Volume No. 2020 Issue No 6	2020/9/21	SCOPUS
2.	Breast cancer data classification using ensemble machine learning	M.A Jabbar	Engineering and Applied Science Research	https://ph01.tci-thaijo.org/index.php/easr/article/view/234959	Engineering and Applied Science Research	Vol. 48 No. 1 (2021)	2021/1/27	SCOPUS
3.	Regression Model for Prediction of Epidemic Outbreaks	M.A Jabbar Punna Sai Teja Shashank, Akkaladevi Vaibhavi, Jenega Vaishnavi	IOP Conference Series: Materials Science and Engineering	DOI 10.1088/1757-899X/1042/1/012016	IOP	Vol. No 1042	2021/2/3	SCOPUS
4.	Visualization of real world enterprise data using python django framework	K Manikanta Vamsi, P Lokesh, K Neha Reddy, P Swetha	IOP Conference Series: Materials Science and Engineering	DOI 10.1088/1757-899X/1042/1/012019	IOP Publishing	Vol. No 1042	2021/2/3	SCOPUS

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1.	Lung Cancer Prediction Using Random Forest	MA.Jabbar A Rajani	Recent Advances in Computer Science and Communications	DOI: https://doi.org/10.2174/2213275912666191026124214	Bentham Science	Volume 14 Issue 5	01 Jul 2021	SCOPUS
2.	Data mining analysis for Precision Agriculture: A Comprehensive Survey	MA Jabbar, Sonia Sharma	SGS-Engineering & Sciences	https://spast.org/techrep/article/view/930	SGS-Engineering & Sciences	Vol. 1 No. 01	2021/9/16	SCOPUS
3.	A systematic review on AI/ML approaches against COVID-19 outbreak	Onur Dogan, Sanju Tiwari, MA Jabbar, Shankru Guggari	Complex & Intelligent Systems	https://link.springer.com/article/10.1007/s40747-021-00424-8	Springer International Publishing	Vol. 7	2021/10	SCOPUS
4.	Data mining analysis for precision agriculture: A comprehensive survey	K Aishwarya, MA Jabbar	ECS Transactions	DOI 10.1149/10701.17769ecst	IOP Publishing	Volume 107, Number 1	2022/4/24	SCOPUS
5.	Applications of speech recognition in the agriculture sector: A review	Polisetty Swetha, Jenega Srilatha	ECS Transactions	DOI 10.1149/10701.19377ecst	IOP Publishing	Volume 107, Number 1	2022/4/24	SCOPUS
6.	Optimized sufferage algorithm for improving load balancing in cloud computing.	Mannava Yesubabu, Balaji Vuppala, P Nirupama, P Swarnalatha, A Srinivas	Natural Volatiles & Essential Oils,	https://www.cabidigitallibrary.org/doi/full/10.5555/2020168228	CABI Library	Vol. 8, No. 5,	23 June 2022	SCOPUS



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#	Title of the Paper	Authors	Name of the Journal	DOI	Publisher	Volume No. Issue No	Month and Year of Publication	Indexing
1.	Applications of cognitive internet of medical things in modern healthcare	M Akhil Jabbar, Shishir Kumar Shandilya, Ajit Kumar, Smita Shandilya	Computers and Electrical Engineering	https://doi.org/10.1016/j.compeleceng.2022.108276	Pergamon	Volume 102, , 108276	September 2022	Scopus
2.	COSCO2: AI-augmented evolutionary algorithm based workload prediction framework for sustainable cloud data centers	R Karthikeyan, V Balamurugan, Robin Cyriac, B Sundaravadivazhagan	Transactions on Emerging Telecommunications Technologies	https://doi.org/10.1002/ett.4652	John Wiley & Sons, Ltd.	Special Issue	03 October 2022	Scopus
3.	Economic analysis based on saline water treatment using renewable energy system and microgrid architecture	N. P. G. Bhavania, Kailash Harneb, Satendar Singhc, Ostonokulov Azamat Abdukarimovichd, V. Balaji, Bharat Singhf, K. Vengatesang and Sachi Nandan Mohantyh	Journal of Water Reuse and Desalination	DOI:10.2166/wrd.2023.013	IWA PUBLISHING	13/2	06-Jun-23	SCI
4.	Enhanced Elman spike neural network based fractional order discrete Tchebyshev encryption fostered big data analytical method for	Venkatachalam Balamurugan, Ramamoorthy Karthikeyan, B Sundaravadivazhagan, Robin Cyriac	Wireless Networks	https://doi.org/10.1007/s11276-022-03142-2	SPRINGER	29/2	2023/2	SCI

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	enhancing cloud data security							
5.	Coastal pollution analysis for environmental health and ecological safety using deep learning technique	T. Sathish , S. Uma Maheswari , V. Balaji , P. Nirupama , Hitesh Panchal , Zhixiong Li , Iskander Tlili	Advances in engineering software	https://doi.org/10.1016/j.advengsoft.2023.103441	ELSEVIER	179	May 2023,	SCI
6.	Smart IoT in Breast Cancer Detection using Optimal Deep Learning	Majji, R., G., O.P.P., Rajeswari, R. et al.	Journal of Digital Imaging	https://doi.org/10.1007/s10278-023-00834-9	SPRINGER	36	May-23	SCI
7.	Diagnosis of Prostate Cancer Using GLCM Enabled KNN Technique by Analyzing MRI Images	L. Anand , Shivilal Mewada , WameedDeyah Shamsi , Mahyudin Ritonga , Noza Aflisia , Prakash KumarSarangi , and Moses NdoleArthur	Hindawi BioMed Research International	https://doi.org/10.1155/2023/3913351	MDPI	Special Issue	24-Jan-23	WOS

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1.	DCCGAN based intrusion detection for detecting security threats in IoT	Robin Cyriac, Sundaravadivazhagn, Balasubaramanian, Venkatachalam Balamurugan, Ramamoorthy Karthikeyan	International Journal of Bio-Inspired Computation	https://doi.org/10.1504/IJBIC.2024.136755	Inderscience	Vol. 23, No. 2.	February 19, 2024	Scopus
2.	Mobile Smart Contracts: Exploring Scalability Challenges and Consensus Mechanisms	VIPIN DEVAL 1,2, VIMAL KUMAR DWIVEDI 3, ABHISHEK DIXIT 1,4, ALEX NORTA 5, (Senior Member, IEEE), SYED ATTIQUE SHAH	IEEE Access	doi: 10.1109/ACCESS.2024.3371901.	IEEE	vol. 12, pp. 34265-34288	8 March 2024.	Scopus
3.	Real-Time Remote-Controlled Human Manipulation Medical Robot Using IoT Module	R. K. Kanna, B. Sankar Panigrahi, S. Sucharita, B. Pravallika, and S. K. Sahoo,	EAI Endorsed Transactions on Internet of Things	https://doi.org/10.4108/eetio.t.6241	EAI	vol. 10	19-06-2024	Scopus
4.	Chronological Horse Herd Optimization based Gene Selection with Deep Learning towards survival Prediction using Pan	Ramachandro Majji a, Balajee Maram b, R. Rajeswari	Biomedical Signal Processing and Control	https://doi.org/10.1016/j.bspc.2023.104696	ELSEVIER	84	Jul-23	SCI

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	Cancer Gene Expression data							
5.	Machine Learning Based Intelligent Management System for Energy Storage Using Computing Application	Bhawani Sankar Panigrahi, R Kishore Kanna, Pragyan Paramita Das, Susanta Kumar Sahoo, Tanusree Dutta	EAI Endorsed Transactions on Energy Web	DOI: https://doi.org/10.4108/eew.6272	EAI Endorsed Transactions on Energy Web	11	2024/6	Scopus
6.	A Novel Image Artifact Removal Scheme for Phase Percent Quantification of Dual-Phase Steel Microstructures	Tanusree Dutta, Debdulal Das, Siddhartha Banerjee, Sanjoy Kumar Saha, Shubhabrata Datta	Journal Of The Minerals, Metals & Materials Society JOM	https://link.springer.com/article/10.1007/s11837-023-06180-z	Springer	Volume 76 Issue 6	2024/6	Scopus
7.	A Dynamic Scalable Auto-Scaling Model as a Load Balancer in the Cloud Computing Environment.	Saroja Kumar Rout, JVR Ravindra, Anudeep Meda, Sachi Nandan Mohanty, Venkatesh Kavididevi	EAI Endorsed Transactions on Scalable Information Systems	DOI: https://doi.org/10.4108/eet.3356	EAI Endorsed Transactions on Scalable Information Systems	Volume 10 Issue 5	2023/9/1	Scopus

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1.	Detection Of Non-Melanoma Skin Cancer By Deep Convolutional Neural Network And Stochastic Gradient Descent Optimization Algorithm	Premananda Sahu,Srikanta Kumar Mohapatra,Prakash Kumar Sarangi,Jayashree Mohanty,Pradeep Kumar Sarangi,	Journal Of Mechanics Of Continuum And Mathematical Sciences	https://doi.org/10.26782/Jmcms.2025.01.0005	Institute Of Mechanics Of Continuum And Mathematical Sciences	Journal Vol – 20 No -1,	January 2025	Scopus
2.	Reducing The Environmental Impact Of Cloud Data Centres Achieved Through Renewable Energy Sources Under Power Grid Energy Trading With Enhanced VM Consolidation Techniques	R Karthikeyan, Ulligaddala Srinivasarao, Shanmugasundaram Hariharan, Prakash Kumar Sarangi, Bhawani Sankar Panigrahi	International Journal Of Services, Economics And Management	https://doi.org/10.1504/IJSEM.2025.146242	Inderscience Publishers (IEL)	Volume 16 Issue 3	May 14, 2025	Scopus
3.	Optimized Memory-Augmented Deep Unfolding Network With Blockchain-Based Data Preserving Cyber Security In Internet Of Things	Sundaravadivazhagan Balasubramanian, Robin Cyriac, Saleem Raja Abdul Samad, R Karthikeyan, V Balamurugan	Knowledge-Based Systems	https://doi.org/10.1016/J.knsys.2025.113536	Elsevier	Volume 321	2025/6/28	Scopus
4.	Advanced Privacy Protection (APP) Machine Learning Model Using	K Senthil, R Karthikeyan, S Shanmuga Priya, R Monikaa, S Ramamoorthi, S	Discover Applied Sciences	https://link.springer.com/article/10.1007/S	Springer International	Volume 7 Issue 3	10-03-2025	Scopus

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	Cryptographic Techniques For Iot	Faizal Mukthar Hussain		42452-025-06571-8	Publishing			
5.	Workload Prediction In Cloud Data Centers Using Complex-Valued Spatio-Temporal Graph Convolutional Neural Network Optimized With Gazelle Optimization Algorithm	R Karthikeyan, Saleem Raja Abdul Samad, V Balamurugan, Sundaravadivazhagan, Balasubaramanian, Robin Cyriac	Transactions On Emerging Telecommunications Technologies	https://doi.org/10.1002/Ett.70078	John Wiley & Sons, Ltd.	Volume 36 Issue 3	11 March 2025	
6.	Enhanced Medical Image Classification Using LSA And PCA In CNN	Suhaifa S Thasneem, R Karthikeyan, Yousuf T Sheik, Begum B Rasina, Mohammed Uveise SA	E3S Web Of Conferences	DOI:10.1051/E3sconf/202561902013	EDP Sciences	Vol. 619	12 March 2025	
7.	Q-Learning Based VM Consolidation Approach For Enhancing Cloud Data Centres Power Efficiency	Sreenithya Baikani, Hitesh Dutt Bharde, Jashwanth Chennamaneni, Jabbar MA, Sudhakar Majjari	E3S Web Of Conferences	https://doi.org/10.1051/E3sconf/202561903012	EDP Sciences	Vol. 619	12 March 2025	
8.	Analysis Of Microstructure And Mechanical Properties Of Inconel 625 Alloy By Wire Arc Additive Manufacturing (WAAM)	K Saravanakumar, VG Balaji, T Srijha, V Sanjay, K Thatchuneswaran	Archives Of Metallurgy And Materials	DOI: https://doi.org/10.24425/Amm.2024.150928	Institute Of Metallurgy And Materials Science Of Polish Academy Of Sciences	Vol69 Issue No. 3	(2024),	Scopus

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9.	Enhancing Lung Cancer Detection Through Integrated Deep Learning And Transformer Models	Revathi Durgam, Bharathi Panduri, V. Balaji, Adil O. Khadidos, Alaa O. Khadidos & Shitharth Selvarajan	<i>Scientific Reports</i>	https://www.nature.com/articles/S41598-025-00516-2	Nature.Com	Article Number: 15614 (2025)	04 May 2025	
10.	How do benefits and challenges influence students' satisfaction with online education? The mediation effect of awareness	Udit Chawla, Sundeep Singh Sondhi, Meerja Akhil Jabbar, Varsha Mishra, Harsh Vikram Singh	International Social Science Journal	https://doi.org/10.1111/issj.12457	wiley	72,252	23 September 2023	
11.	Patient satisfaction: The role of artificial intelligence in healthcare	MA Jabbar, Hena Iqbal, Udit Chawla	Journal of Health Management	https://doi.org/10.1177/09720634241246331	SAGE Publications		2024/5/15	

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